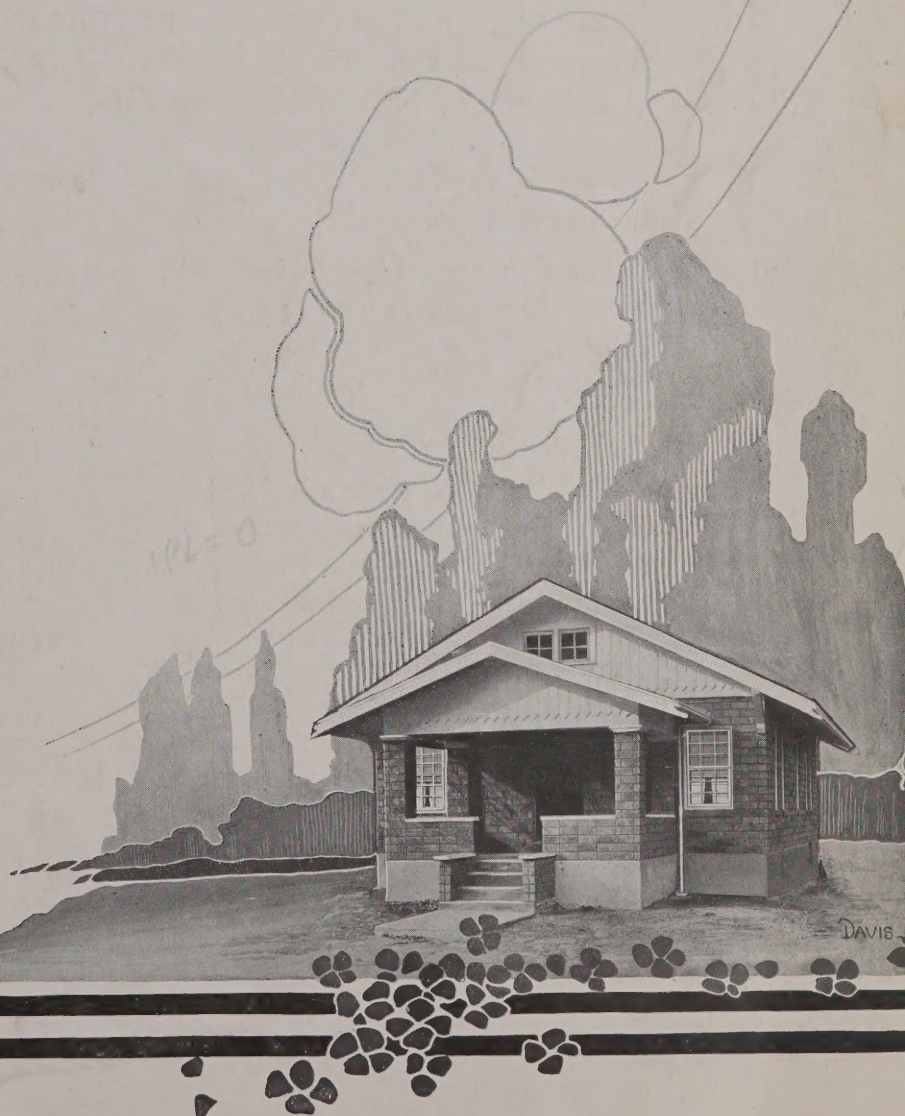


# Natco Homes *for* Workingmen

*Bulletin 173*





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## Workingmen's Houses

**T**O obtain and keep competent labor, many employers are planning and some actually building suitable housing. Practically all employers recognize that it pays to see that their workingmen have—for living quarters—something more than just four walls and a roof. To assist employers and others who are planning new housing this booklet has been prepared. In it are illustrated eight practical designs, chosen from several workingmen's houses that have already been built to accommodate the unskilled class of labor. Although built along decidedly simple and economical lines, the sanitary advantages and comforts do not vary in the least from those of more pretentious types. They are cool in summer and warm in winter, damp proof and fire-safe. When providing homes for your workingmen, do not disregard the fact that building once for all time is true economy. To avoid a collapse in future years of any improvements in your workingmen's living conditions you may now be contemplating—BUILD WISELY. Consider carefully these advantages of Natco Hollow Tile.

FIRST—Natco is made of hard burned clay—fireproof and everlasting.

SECOND—The units lay up rapidly in a wall, thus assuring a great saving in time and labor.

THIRD—Natco is cheaper than any other form of masonry construction.

FOURTH—While Natco costs a little more than frame construction, it proves the cheapest in the long run because of the saving in painting and repairs.

FIFTH—Laid up on end, it provides a bearing wall of maximum strength with a minimum of weight.

SIXTH—The enclosed air spaces in the hollow tile walls insure an insulation that is impervious to moisture and highly resistive to temperature changes.

SEVENTH—A Natco wall cannot be penetrated by rats or vermin.

EIGHTH—With Natco homes you are assured a healthy lot of contented and efficient workmen.

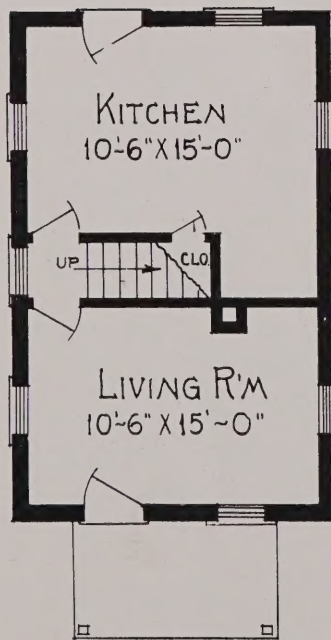
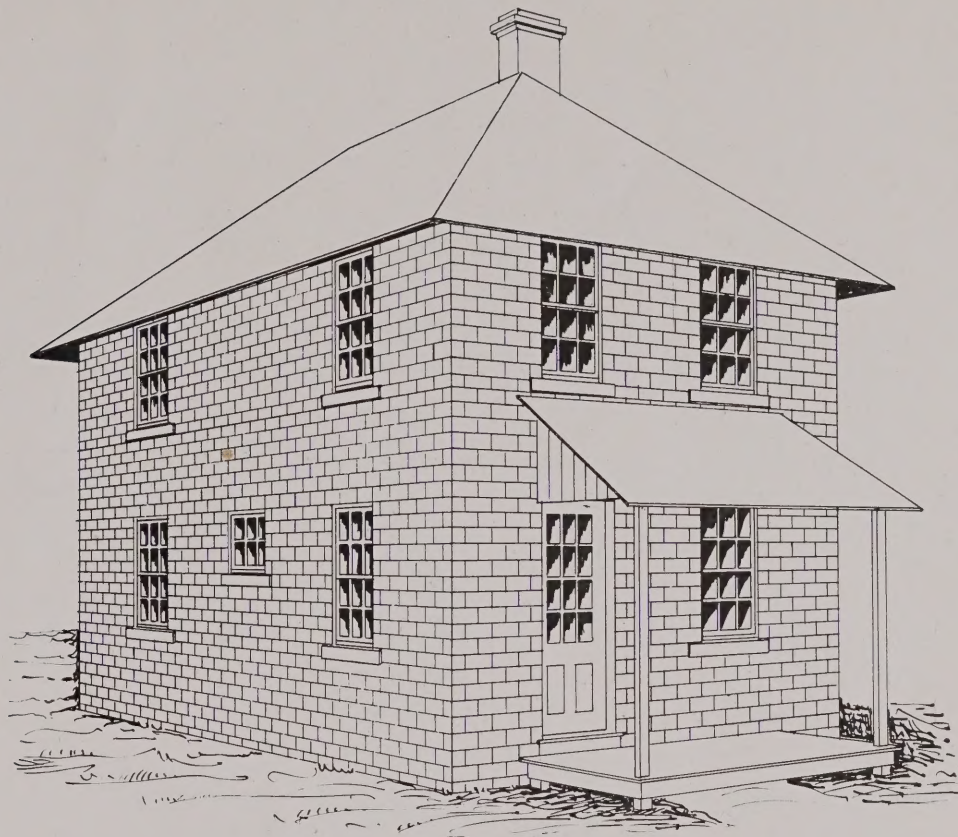
NINTH—Natco is manufactured by the largest tile manufacturers in the world who, with nearly thirty years experience, stand back of Natco's every claim.

TENTH—Twenty-three Natco factories assure a wide and economical distribution to the consumer.

LASTLY—Should you desire further assistance in solving your building or fire-proofing problems, an efficient corps of skilled engineers is at your service.



# HOUSE DESIGN NUMBER ONE



FIRST FLOOR PLAN

## General Data

Size on Ground, 16 feet 3 inches by 26 feet.

First Story Height, (between 8" joists) 7 feet 10 inches.

Second Story Height, (between 8" joists) 7 feet 8 inches.

### Natco Hollow Tile Required

FOUNDATIONS—(8 Courses below 1st floor joists)

635—8x12x5" Wall Tile

35—8" Corner Tile

### UPPER WALLS—

1815—8x12x5" Wall Tile

155—8" Corner Tile

180—8x12x5" Closure Tile

195—8x5 $\frac{3}{4}$ x5" Half Closure Tile

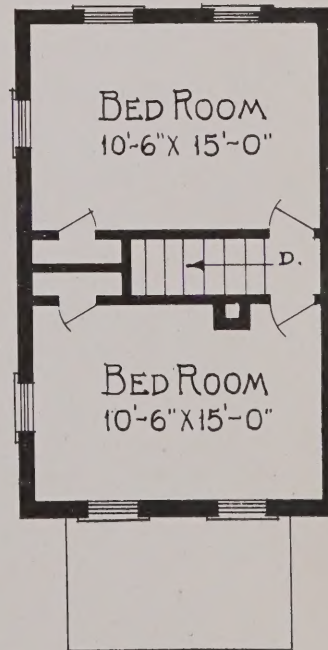
100—8" Sill Tile (5 $\frac{3}{4}$ " long)

42—8" Lintel Tile

210—4x12x5" Joist Closure Tile

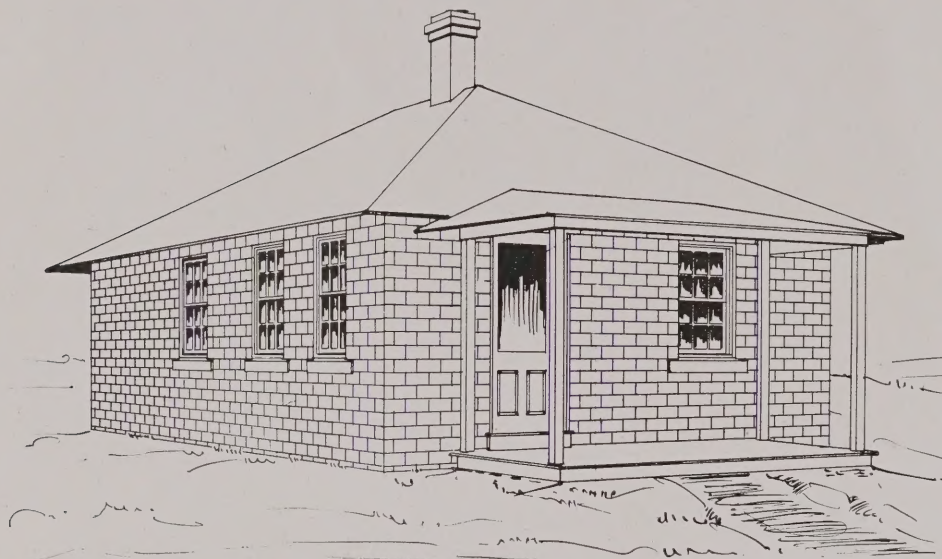
106—4x12x9" Joist Filler Tile

110—4x1x12" Joist Bearing Slabs



SECOND FLOOR PLAN

# HOUSE DESIGN NUMBER TWO



FLOOR PLAN

## General Data

Size on Ground, 20 feet by 26 feet.  
Story Height, (between 8" joists) 8 feet 1 inch.

### Natco Hollow Tile Required

#### FOUNDATIONS—

695—8x12x5" Wall Tile  
35—8" Corner Tile

#### UPPER WALLS—

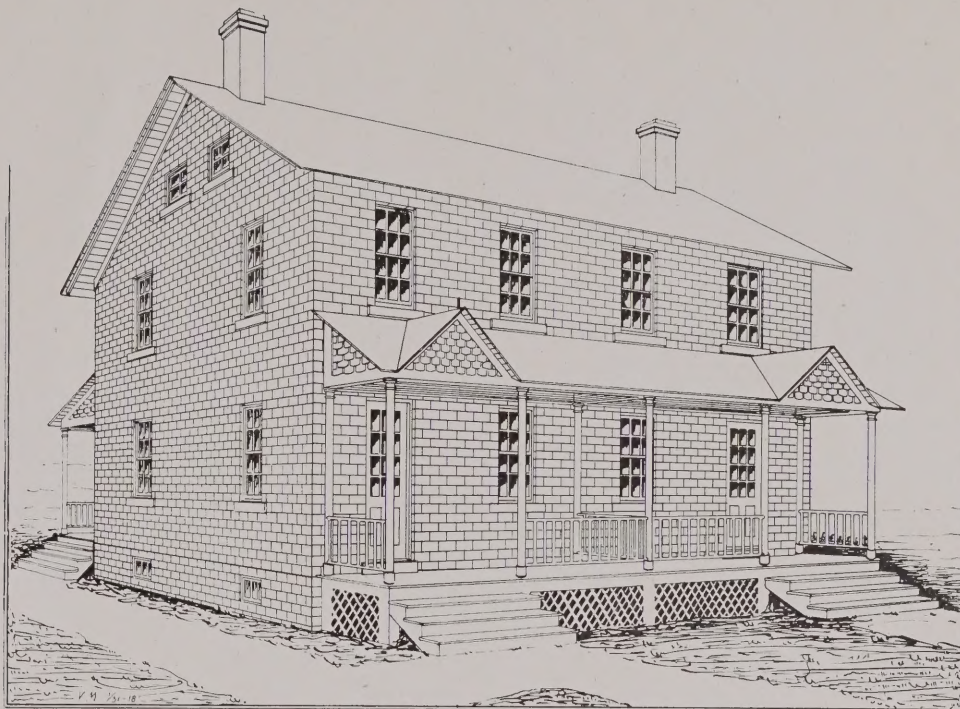
1125—8x12x5" Wall Tile  
85—8" Corner Tile  
100—8x12x5" Closure Tile  
110—8x5 $\frac{3}{4}$ x5" Half Closure Tile  
46—8" Sill Tile (5 $\frac{3}{4}$ " long)  
35—8x5x12" Lintel Tile  
80—4x12x5" Joist Closure Tile  
40—4x12x9" Joist Filler Tile  
45—4x12x12" Joist Bearing Slabs

If upper walls are 6 inches thick:

1255—6x12x5" Wall Tile  
190—6" Closure (and Corner) Tile  
115—6" Half Closure Tile



# HOUSE DESIGN NUMBER THREE



## General Data

Size on Ground, 33 feet by 26 feet 2 inches.  
First Story Height, (between 8" joists) 8 feet 3½ inches.  
Second Story Height, (between 8" joists) 7 feet 10 inches.

### Natco Hollow Tile Required

FOUNDATION—(8 inches thick and only 8 courses below 1st floor joists)

915—8x12x5" Wall Tile  
35—8" Corner Tile  
200—8x12x5" Wall Tile (8" party wall)

BASEMENT—(1) excavated

Outside Walls—14" thick  
1585—8x12x5" Wall Tile  
70—8" Corner Tile  
51—8" Closure Tile  
56—8" Half Closure Tile  
27—8x5x12" Lintel Tile  
55—8" Sill Tile (5¾" long)

1700—4x5x12" Wall Tile

Party Wall—8" thick

400—8x12x5" Wall Tile

Cellar Entrances

346—8x12x5" Wall Tile  
27—8x12x5" Closure Tile  
105—8x5¾x5" Half Closure Tile

FIRST AND SECOND STORIES—

Outside Walls

2925—8x12x5" Wall Tile  
176—8" Corner Tile  
310—8" Closure Tile  
336—8" Half Closure Tile  
155—8" Sill Tile (5¾" long)  
106—8" Lintel Tile  
321—4x12x5" Joist Closure Tile  
220—4x5¾x5" Joist Filler Tile  
330—4x12x5" Joist Bearing Slabs

Party Wall

885—8x12x5" Wall Tile

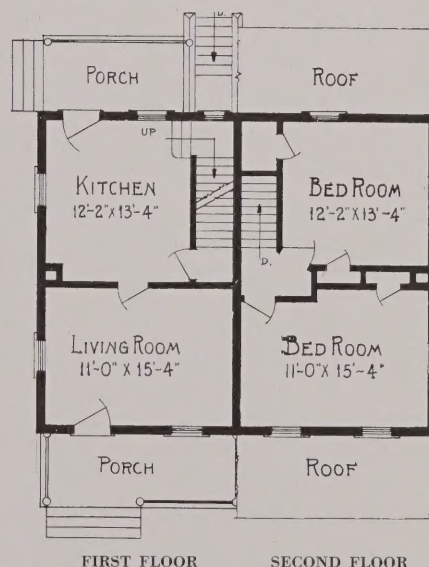
ATTIC—(4 inches thick)

Gable Ends

500—4x12x5" Wall Tile

Party Wall

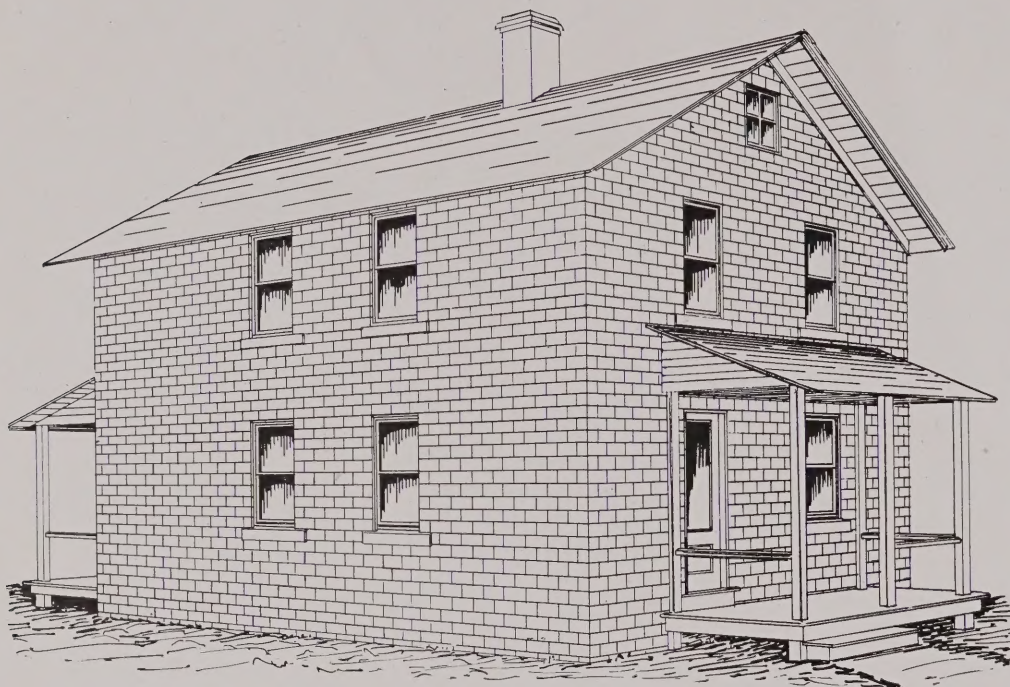
245—4x12x5" Wall Tile



FIRST FLOOR

SECOND FLOOR

# HOUSE DESIGN NUMBER FOUR



## General Data

Size on Ground, 22 feet by 27 feet.  
 First Story Height, (Between 8 inch joists), 7 feet 10 inches.  
 Second Story Height, (Between 8 inch joists), 7 feet 5¾ inches.

### Natco Hollow Tile Required

FOUNDATION—(8 Courses below 1st floor joists)

745—8x12x5" Wall Tile

35—8" Corner Tile

UPPER WALLS—(Above under side 1st floor joists)

2430—8x12x5" Wall Tile

165—8" Corner Tile

180—8x12x5" Closure Tile

195—8x5¾x5" Half Closures

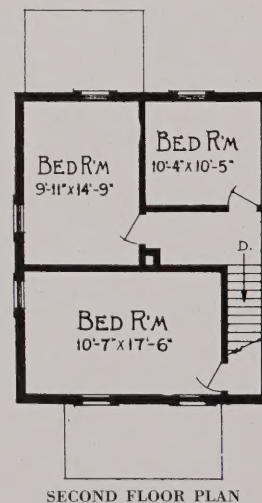
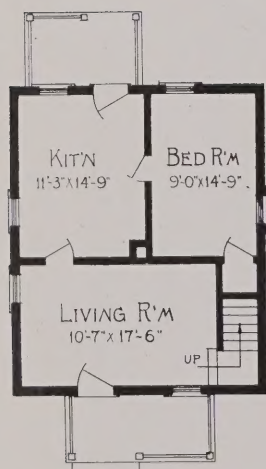
100—8" Sills (5¾" long)

65—8x5x12" Lintel Tile

110—4x12x9" Joist Filler Tile

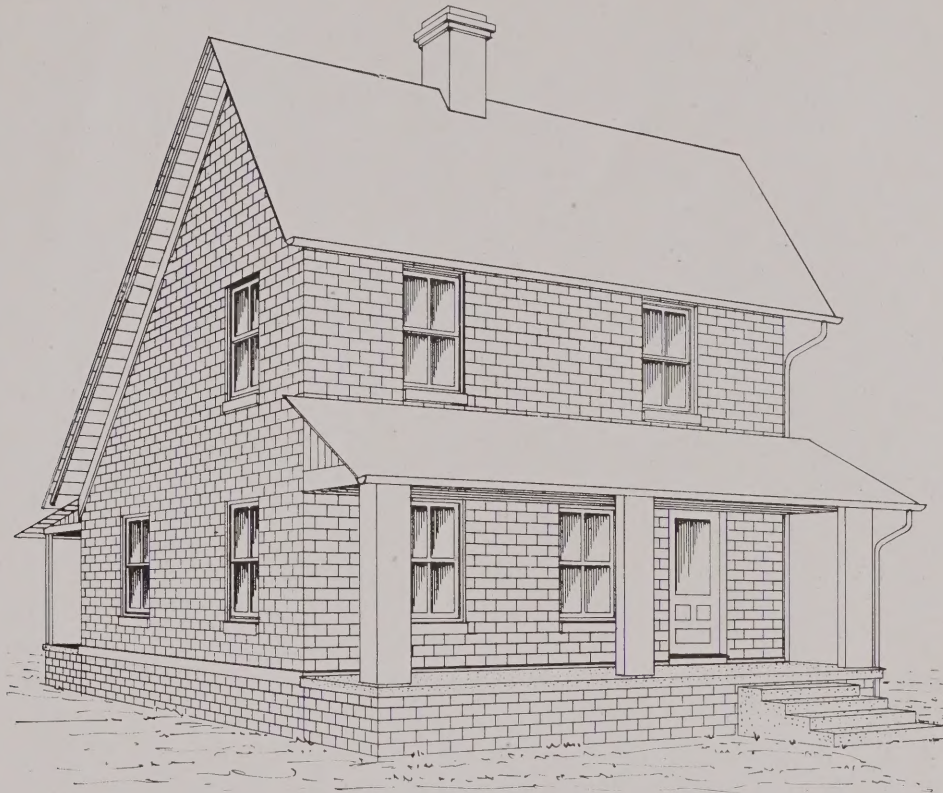
110—4x12x12" Joist Bearing Slabs

485—4x12x5" Wall Tile (Joist Closures and Gables)





# HOUSE DESIGN NUMBER FIVE



## General Data

Size on Ground, 22 feet by 24 feet.  
 First Story Height, (between 8" joists)  
 7 feet 9 inches.  
 Second Story Height (between 8" joists)  
 7 feet 5 inches.

### Natco Hollow Tile Required

FOUNDATION—(8 courses below under side of 1st floor joists)

710—8x12x5" Wall Tile  
 35—8" Corner Tile

UPPER WALLS—(Above under side 1st floor joists)

1827—8x12x5" Wall Tile  
 125—8" Corner Tile  
 171—8x12x5" Closure Tile  
 500—8x5 $\frac{3}{4}$ x5" Half Closure Tile  
 73—8" Sill Tile (5 $\frac{3}{4}$ " long)  
 73—8" Lintel Tile  
 200—4x12x5" Joist Closure Tile  
 51—4x12x9" Joist Filler Tile  
 150—4x12x12" Joist Bearing Slabs

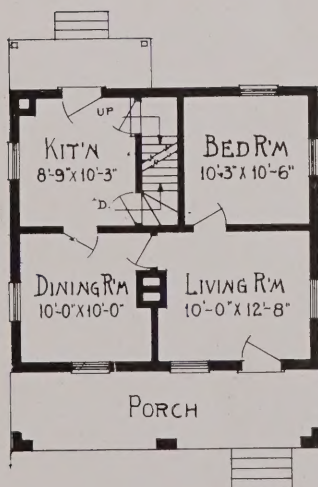
### PORCHES—

Foundations—(8 courses below under side of 1st floor joist)

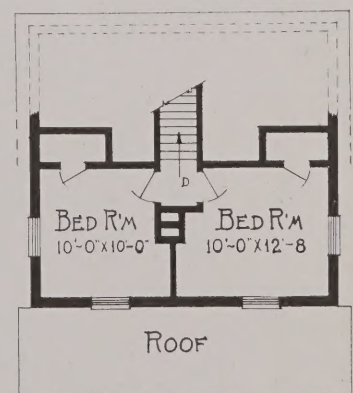
415—8x12x5" Wall Tile  
 35—8" Corner Tile  
 20—8x5 $\frac{3}{4}$ x5" Half Closure Tile

Pillars—(Front Porch)

40—8" Corner Tile  
 60—8x12x5" Closure Tile  
 65—8x5 $\frac{3}{4}$ x5" Half Closure Tile

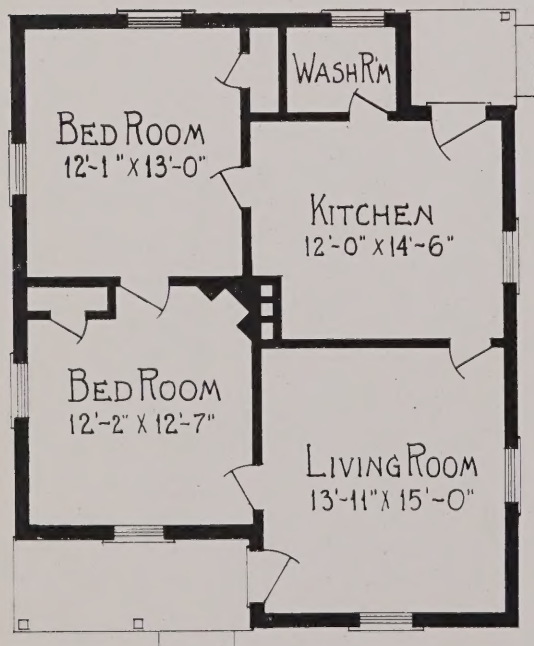
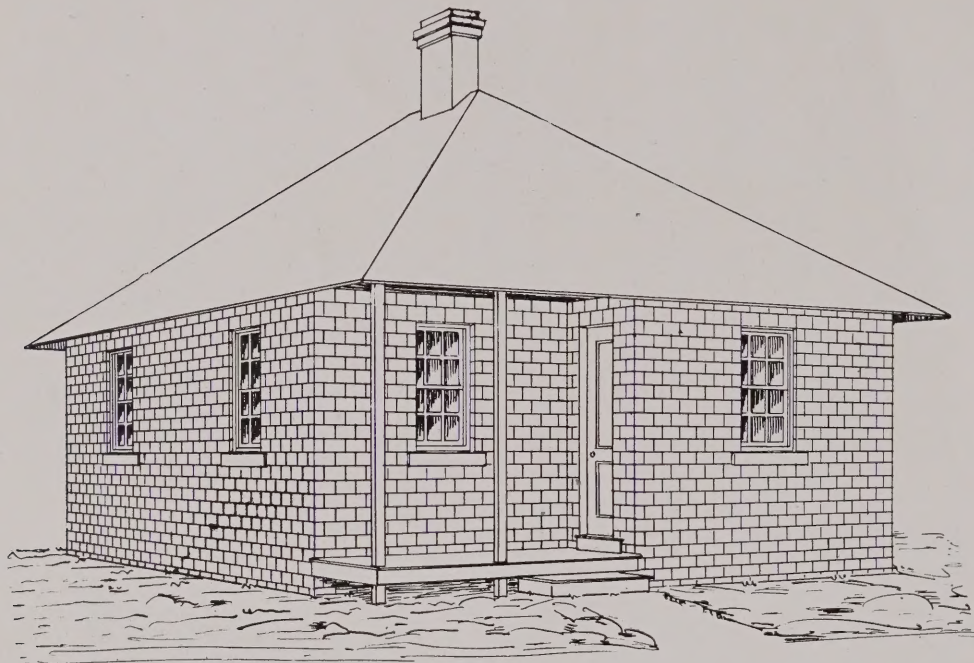


FIRST FLOOR PLAN



SECOND FLOOR PLAN

# HOUSE DESIGN NUMBER SIX



FLOOR PLAN

## General Data

Size on Ground, 28 feet 5 inches by 34 feet 7 inches.

Story Height, (between 8" joists) 7 feet 11 inches.

### Natco Hollow Tile Required

FOUNDATION—(8 courses below underside 1st floor of joists)

975—8x12x5" Wall Tile

40—8" Corner Tile

18—8" Inside Corner Tile

UPPER WALLS—(Above underside 1st floor joists)

1570—8x12x5" Wall Tile

90—8" Corner Tile

125—8x12x5" Closure Tile

137—8x5 $\frac{3}{4}$ x5" Half Closure Tile

70—8" Sill Tile (5 $\frac{3}{4}$ " long)

55—8" Lintel Tile

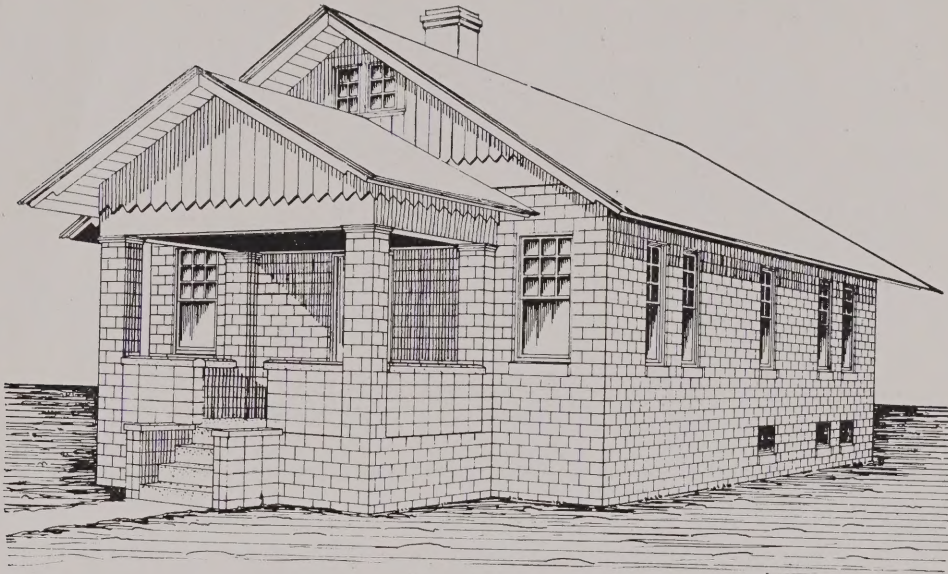
142—4x12x5" Joist Closure Tile

70—4x12x9" Joist Filler Tile

70—4x12x12" Joist Bearing Slabs



# HOUSE DESIGN NUMBER SEVEN



## General Data

Size on Ground, 26 feet by 32 feet 7 inches.

Basement Story Height, (From Concrete Floor to Underside of Floor Joists), 7 feet.

First Story Height, (Between 8 inch Floor Joists) 8 feet 7 inches

### Natco Hollow Tile Required

FOUNDATIONS—(Rear Portion 26 feet by 20 feet, excavated; Walls 14 inches thick and 16 courses high. Front portion, unexcavated, walls 8 inches thick and 11 courses high)

1800—8x12x5" Wall Tile  
95—8" Corner Tile  
20—8x12x5" Closure Tile  
25—8x5 3/4x5" Half Closure Tile  
28—8" Sill Tile (5 3/4" long)  
935—4x12x5" Wall Tile

UPPER WALLS—(8 inches thick)

Main Walls

1420—8x12x5" Wall Tile  
95—8" Corner Tile  
255—8x12x5" Closure Tile  
275—8x5 3/4x5" Half Closure Tile  
82—8x5x12" Lintel Tile  
75—8" Sill Tile (5 3/4" long)  
54—4x12x5" Joist Closure Tile  
26—4x12x9" Joist Filler Tile  
130—4x1x12" Joist Bearing Slabs

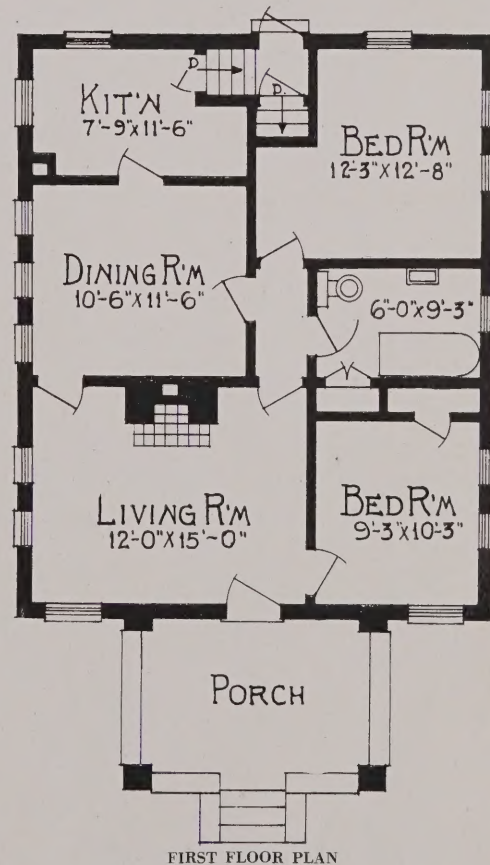
PORCH

Foundations—(11 Courses below Porch Floor)

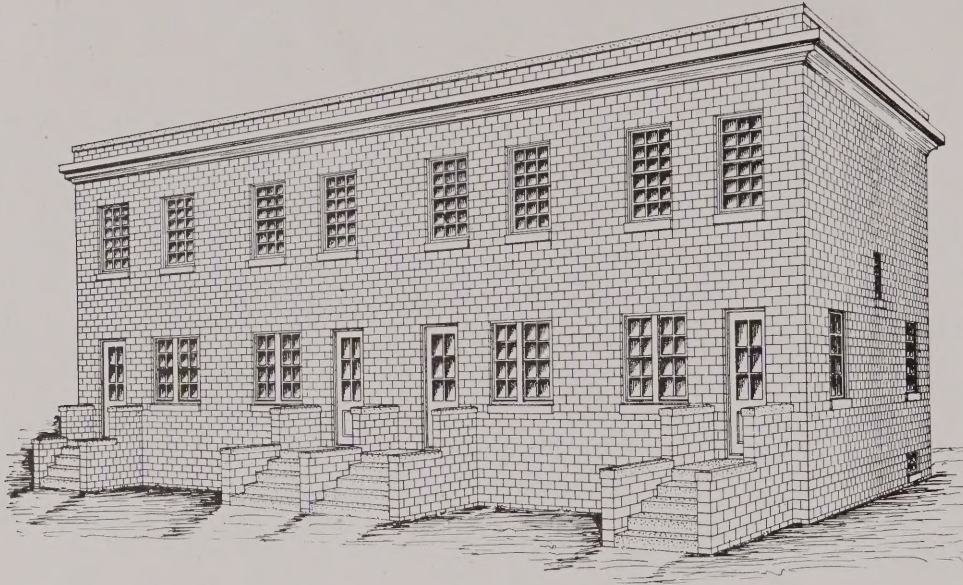
335—8x12x5" Wall Tile  
25—8" Corner Tile

Pilasters, Balustrade and Step Walls

425—4x12x5" Wall Tile  
175—4" Corner Tile



# HOUSE DESIGN NUMBER EIGHT



## General Data

Size on Ground, 31 feet 8 inches by 63 feet 5 inches.

Basement Story Height, (From Concrete Floor to Underside of Floor Joists), 7 feet.

First Story Height, (Between 2 inch by 8 inch Floor Joists), 8 feet 7 inches.

Second Story Height, (Between 2 inch by 8 inch Floor Joists), 8 feet 7 inches.

### Natco Hollow Tile Required

FOUNDATIONS—Rear portion, excavated, walls 14 inches thick and 16 courses high. Front portion, unexcavated, walls 8 inches thick and 12 courses high.

#### OUTSIDE WALLS—

- 3550—8x12x5" Wall Tile
- 70—8" Corner Tile
- 20—8x12x5" Closure Tile
- 25—8x5 3/4x5" Half Closure Tile
- 35—8x5x12" Lintel Tile
- 46—8" Sill Tile (5 3/4" long)
- 2435—4x12x5" Wall Tile

#### DIVISION WALLS—

- 2100—8x5x12" Backup Tile
- 800—4x5x12" Backup Tile

#### UPPER WALLS—(Outside Walls, 8 inches thick)

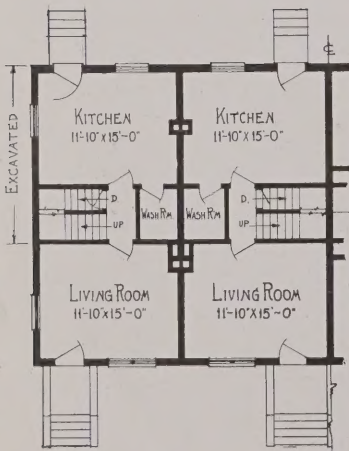
- 6360—8x12x5" Wall Tile
- 220—8" Corner Tile
- 462—8x12x5" Closure Tile
- 500—8x5 3/4x5" Half Closure Tile
- 215—8x5x12" Lintel Tile
- 240—8" Sill Tile (5 3/4" long)
- 310—4x12x5" Joist Closure Tile
- 130—4x12x9" Joist Filler Tile
- 130—4x12x12" Joist Bearing Slabs

#### DIVISION WALLS—(8 inches thick)

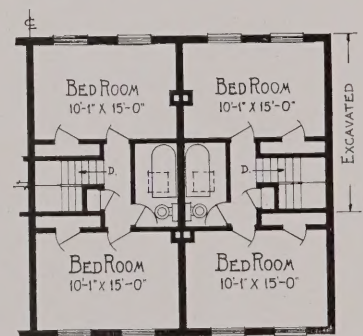
- 4175—8x5x12" Backup Tile
- 350—4x12x9" Joist Filler Tile
- 360—4x12x12" Joist Bearing Slabs

#### FRONT STEPS—

- 800—8x12x5" Wall Tile
- 110—8x12x5" Closure Tile

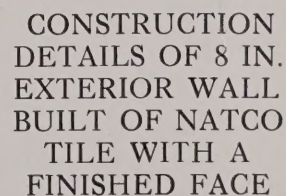
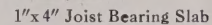
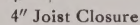
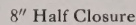
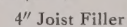
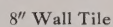


FIRST FLOOR PLAN



SECOND FLOOR PLAN



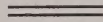


NOTE: Details of Natco XXX Construction for exterior finish of Cement Stucco furnished on request.

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